

32A8 is a triode-pentode designed for use as an AF amplifier and output tube in transformer-less radio receivers.

BASE E9-1 Small Button Noval 9-Pin

MOUNTING POSITION—Any

HEATER

Voltage..... 32 (V)

Current0.15 (A)

DIRECT INTERELECTRODE CAPACITANCES

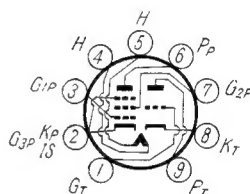
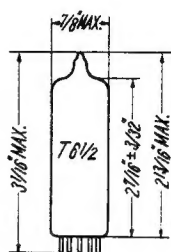
(Without Shield)

Triode Unit Pentode Unit

Grid No. 1 to Plate.....4.2 0.3 max. (pF)

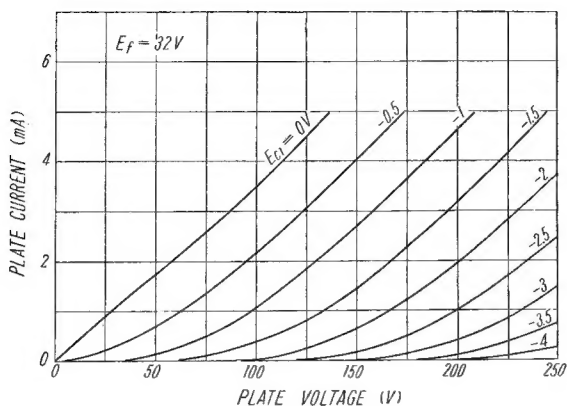
Input.....2.7 9.3 (pF)

Output4.3 8.0 (pF)



MAXIMUM RATINGS (Design Center Values)			TYPICAL OPERATION		
	Triode Unit	Pentode Unit		Triode Unit	Pentode Unit
Plate Voltage	250	250 (V)	Plate Voltage	100	100 (V)
Grid No. 2 Voltage	250	250 (V)	Grid No. 2 Voltage	—	100 (V)
Plate Dissipation	1	7 (W)	Grid No. 1 Voltage	0	—6 (V)
Grid No. 2 Dissipation	—	1.8 (W)	Grid No. 1 Input		
Total Cathode Current	15	50 (mA)	Voltage (RMS)	—	3.8 (V)
Peak Heater—Cathode Voltage			Plate Current	3.5	26 (mA)
Heater negative with			Grid No. 2 Current	—	5.0 (mA)
respect to cathode		200 (V)	Transconductance	2,500	6,800 (μM)
Heater positive with			Plate Resistance		
respect to cathode		200 Δ (V)	(Approx.)	—	15 (k Ω)
Grid No. 1 Circuit Resistance			Amplification Factor	70	—
with Fixed Bias	1	1 (M Ω)	Load Resistance	—	3.9 (k Ω)
with Cathode Bias	3	2 (M Ω)	Max.-Signal Power		
with Grid Bias	22	— (M Ω)	Output	—	1.05 (W)
Δ The D.C. component must not exceed 100 volts.			Total Harmonic Distortion	—	10 (%)

AVERAGE PLATE CHARACTERISTICS (Triode Unit)



AVERAGE PLATE CHARACTERISTICS (Pentode Unit)

